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NOTICE OF ALLOWANCE AND FEE(S) DUE

73552

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02/25/2009

Stolowitz Ford Cowger LLP 621 SW Morrison St Suite 600 Portland, OR 97205 EXAMINER
SHAND, ROBERTA A
ART UNIT PAPER NUMBER

2416

DATE MAILED: 02/25/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,452	08/21/2003	Mahesh Chellappa	2705-0733	9539

TITLE OF INVENTION: METHOD AND SYSTEM FOR ENHANCING CRANKBACK HANDLING IN MULTI-PEER GROUP NETWORKS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	05/26/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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73552 Stolowitz Ford 621 SW Morriso Suite 600	on St	/2009	I h Sta add	Cert ereby certify that thi tes Postal Service w dressed to the Mail	t ificate of is Fee(s) with suffice Stop IS	of Mailing or Transn	deposited with the United class mail in an envelope above, or being facsimile
Portland, OR 97	205						(Depositor's name)
							(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTOR	NEY DOCKET NO.	CONFIRMATION NO.
10/646,452	08/21/2003	•	Mahesh Chellappa	•	,	2705-0733	9539
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nonprovisional	NO	\$1510	\$0	\$0		\$1510	05/26/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	1			
SHAND, ROBERTA A 2416			370-217000	•			
FR 1.363). Change of corresp Address form PTO/SI "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. ASSIGNEE NAME A PLEASE NOTE: Unl	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	Indication form led. Use of a Customer A TO BE PRINTED ON Tified below, no assignee	2. For printing on the part of the names of up to or agents OR, alternation (2) the name of a sing registered attorney or 2 registered patent attended in the part of the part	o 3 registered patentively, le firm (having as a agent) and the name orneys or agents. If re- printed.	member es of up no name	ra 2to is 3	cument has been filed for
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☐ Issue Fee☐ Publication Fee (N	No small entity discount p	 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 					
a. Applicant claim	tus (from status indicated as SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no lor	nger claiming SMAL	L ENTI	TY status. See 37 CF	
terest as shown by the	a Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	a from anyone other than Office.	tne applicant; a regis	stered at	torney or agent; or the	e assignee or other party in
Authorized Signature		Date					
Typed or printed name							
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Tl submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the chief information of the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the chief information of the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the chief information of the completed application form to the USPTO. Time will vary depending upon the individual case. Any commence of the chief information of the case. Any commence of the chief information of the chief information of the chief information of the chief information unless it displays a valid OMB control number.



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Stolowitz Ford Cowger LLP				SHAND, ROBERTA A		
621 SW Morriso				ART UNIT	PAPER NUMBER	
Suite 600 Portland, OR 97205				2416 DATE MAILED: 02/25/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1119 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1119 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/646,452	CHELLAPPA ET AL.
Notice of Allowability	Examiner	Art Unit
	Roberta A. Shand	2416
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commitmed (GHTS). This application is and MPEP 1308.	n this application. If not included unication will be mailed in due course. THIS
2. X The allowed claim(s) is/are <u>1, 3-15, 26-28 and 30-41 renur</u>	<u>mbered 1-29</u> .	
3. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).	been received. been received in Applicati	on No
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) 🔲 including changes required by the Notice of Draftspers	on's Patent Drawing Revie	w (PTO-948) attached
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1)		
each sheet. Replacement sheet(s) should be labeled as such in t		
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 7. ☐ Examiner's —	nformal Patent Application Summary (PTO-413), /Mail Date s Amendment/Comment s Statement of Reasons for Allowance

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Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The prior art does not 1. teach or fairly suggest A method for crankback handling in a multi-peer group network, comprising: receiving, at a first node of a succeeding peer group a first connection request from a first node of a preceding peer group; detecting a call failure occurring between nodes within the succeeding peer group, the detected call failure occurring at a location inside the succeeding peer group wherein the succeeding peer group is a different peer group from the preceding peer group; determining whether multiple nodes in the succeeding peer group have connectivity to the preceding peer group; determining whether multiple nodes of the preceding peer group have connectivity to the first node of the succeeding peer group; transmitting a succeeding end crankback rather than a next higher level crankback from the succeeding peer group to the preceding peer group if multiple nodes in the succeeding peer group have connectivity to the preceding peer group and multiple nodes of the preceding peer group do not have connectivity to the first node of the succeeding peer group; wherein the succeeding end crankback specifies a blocked interface at a first link between the preceding peer group and the succeeding peer group; wherein the first link is located outside the preceding peer group and located outside of the succeeding peer group; and wherein the crankback is transmitted from the first node of the succeeding peer group; receiving a second connection request from the preceding peer group, the second connection request using a second link to the succeeding peer group that avoids the call failure; wherein the second link is between the first node of the preceding peer group and the second node of the succeeding peer group or a second node of the preceding peer group and a second node of the succeeding peer group, as recited in independent claims 1, 8, 15, 24, and 27

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2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roberta A. Shand whose telephone number is (571)272-3161. The examiner can normally be reached on M-F 9:00am-5:30pm.
- 4. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- 5. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Roberta A. Shand /R. A. S./ Examiner, Art Unit 2416

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/William Trost/ Supervisory Patent Examiner, Art Unit 2416